Partner: BenQ
Model: W7500
Device Type: Projector

GENERAL INFORMATION

SIMPLWINDOWS NAME:	BenQ W7500 v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module provides RS232 control and feedback for the BenQ W7500 video projector.
GENERAL NOTES:	This module provides RS232 control of the BenQ W7500 video projector. Is also provides true feedback. Setting Poll_Enable high will poll for the feedback. If Poll_Settings is high the module will poll for all feedback. Note that this will cause the OSD popups to appear for the Picture Mode, Contrast and Brightness when those items are polled for. If Poll_Settings is low the module will poll for the power and input feedback only.
CRESTRON HARDWARE REQUIRED:	C2I-COM, ST-COM, C2-COM-*
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 115200 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	1.01
VENDOR SETUP:	None
CABLE DIAGRAM:	BenQ Crestron 2-Series Crestron 3-Series Pin 2 Pin 3 TX Pin 3 Pin 2 RX Pin 5 Pin 5 G

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CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the projector on and off.
Input_*	D	Pulse to select the desired input.
Aspect_*	D	Pulse to select the desired aspect.
Picture_Mode_*	D	Pulse to select the desired picture mode
Zoom_<In/Out>	D	Press and hold to zoom in and out.
Auto_Position	D	Pulse to auto sync the projector with the connected PC.
Contrast_<Up/Down>	D	Press and hold to adjust the contrast.
Brightness_<Up/Down>	D	Press and hold to adjust the brightness.
Menu	D	Pulse to turn the menu on.
Exit	D	Pulse to return the previous menu level or turn the menu off if at the top level.
Up/Down/Left/Right	D	Pulse to navigate the menus.
Enter	D	Pulse to select the highlighted menu item.
Lamp_Mode_<Normal/Economy>	D	Pulse to select the desired lamp mode.
Poll_Enable	D	Hold high to enable polling. If Poll_Settings is high the module will poll for all feedback. If Poll_Settings is low the module will only poll for power and input.
Poll_Settings	D	Hold high to allow Poll_Enable to poll for all settings. This will cause the OSD to popup when the Picture Mode, Contrast and Brightness are requested. Set low to allow Poll_Enable to poll for power and input only.
From_Device	S	Serial signal to be routed from the RX$ output of a 2-way serial com port.

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FEEDBACK:

Power_Is_<On/Off>	D	Digital signal to indicate the current power state.
Input_Is_*	D	Digital signal to indicate the currently selected input.
Aspect_*	D	Digital signal to indicate the currently selected aspect.
Picture_Mode_*	D	Digital signal to indicate the currently selected picture mode.
<Contrast/Brightness>_Bar	A	Analog outputs indicating the current contrast and brightness.
Lamp_Mode_Is<Normal/Economy>	D	Digital signal to indicate the current lamp mode.
Lamp_Hours	A	Analog signal indicating the current lamp hours.

TESTING:

OPS USED FOR TESTING:	PRO3: 1.010.0060
SIMPL WINDOWS USED FOR TESTING:	4.02.56
DEVICE DB USED FOR TESTING:	62.01.001.00
CRES DB USED FOR TESTING:	49.06.005.00
SYMBOL LIBRARY USED FOR TESTING:	922
SAMPLE PROGRAM:	BenQ W7500 v1.0 Demo
REVISION HISTORY:	v1.0 – Original Release.

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